AUTHOR INDEX, VOLUME 6

Adachi, K.: see Nakatsuka, K.
Adamec, V.: Dielectric relaxation process below the glass transition in atactic polystyrene, 687
Adamić, K., and Blinc, M.: Proton spin-lattice relaxation time measurements in starch, 303
Ajroldi, G., Garbuglio, C., and Pezzin, G.: Dynamic-mechanical and creep measurements: A comparison of approximate conversion methods, 119
Alliet, D. F.: see Giammarse, A. T.
Alter, H., and Hsiao, H. Y.: Changes in the infrared spectra of polymers in the vicinity of their glass transition, 363
Arai, N.: see Arakawa, T.
Arakawa, T., Nagatoshi, F., and Arai, N.: Thermal analysis of drawn nylon 6, 513
Araki, T.: see Tani, H.
Arnold, F. E., and Van Deusen, R. L.: Poly(perimidinetetrayls), 815
Aso, C., Kunitake, T., and Shimada, F.: Observation of Michaelis-Menten kinetics in the hydrolysis of a phenyl ester catalyzed by an imidazole-containing polymer, 467
Bair, H. E.: see Matsuoka, S.
Baird, M. E., Goldsworthy, G. T., and Creasey, C. J.: Low frequency dielectric behavior of polyamides, 737
Baumgartner, W.: see Rembaum, A.
Beck, R. H., Gratch, S., Newman, S., and Rusch, K. C.: Yield behavior of polyblends, 707
Beral, E.: see Solomon, O. F.
Bergmann, E. A., and Rubin, I. D.: Light scattering of sheared polymer solutions, 789
Billmeyer, F. W., Jr.: see Holleran, P. M.
Blinc, M.: see Adamić, K.
Block, B. P.: see Saraceno, A. J.
Blumstein, A., and Watterson, A. C.: Tacticity of poly(methyl methacrylate) prepared by radical polymerization within a monolayer of methyl methacrylate adsorbed on montmorillonite, 69
Blundell, D. J., and Keller, A.: The concentration dependence of the linear growth rate of polyethylene crystals from solution, 433
Boghină, C.: see Solomon, O. F.
Bohdanecký, M.: see Quadrat, O.
Braatz, J. A.: see Ketley, A. D.
Brindley, P. B., and Pearson, R. G.: Free-radical polymerization of methyl methacrylate in the presence of trialkylboranes, 831
Broido, A.: On the Chatterjee method of obtaining kinetic parameters from thermogravimetric traces, 349
Brown, D.: Novel polyamindes by the polycondensation of activated aromatic dihalo compounds and amines, 415
–, Jones, M. E. B., and Maltman, W. R.: An approach to the synthesis of novel polycondensates

via the nucleophilic displacement reactions of carbanions, 635
Campbell, D., Ingram, P., Williams, J. L., and Stannett, V.: Preirradiation grafting in the presence of swelling agents, 409
– and Peterlin, A.: Free-radical formation in uniaxially stressed nylon, 481
– and Turner, D. T.: Photo-induced post-irradiation free-radical conversion in poly(ethylene terephthalate) an ESR study, 1
Caraculacu, G., and Zugrăvescu, I.: The heterocyclization of several reactive polymers by the 1,3 dipolar addition reaction. I, 451
Carazzolo, G.: see Mortillaro, L.
Cassidy, H. G.: see Wegner, G.
Chalk, A. J.: Abnormal reactions of polystyrene metalated with butyllithium-N,N,N′,N′-tetramethylethylenediamine, 649
–: see Hay, A. S.
Chapoy, L. L.: see Tobolsky, A. V.
Cobbold, A. J.: see Turner-Jones, A.
Cobianu, N.: see Solomon, O. F.
Connor, T. M.: Molecular motion in starch. Rotating frame proton spin-lattice relaxation measurements. (A comment on the letter by Adamić and Blinc), 711
Corciovei, M.: see Solomon, O. F.
Corradini, P.: see Huggins, M. L.
Cotter, J. L., Knight, G. J., and Wright, W. W.: Thermal degradation tion of poly(1,1-dichloro-2,2-difluoroethylene), 763
Creasey, C. J.: see Baird, M. E.
Crugnola, A., and Danusso, F.: Association phenomena in dilute solutions of crystalline (low temperature) vinyl chloride polymers, 535
Culbertson, B. M., and Dietz, S.: Poly(phenylene-1,3,4-oxadiazolylbenzimidazoles), 247
– and Murphy, R.: Polymers with alternating benzimidazole–1,2-benzoylenebenzimidazole nuclei, 241
Daane, J. H.: see Matsuoka, S.
Danusso, F.: see Crugnola, A.
Darskus, R. L.: see Meyerhoff, G.
Davison, S.: see Taylor, G. L.
Dawans, F.: see Durand, J. P.
De Schryver, F. C., Smets, G., and Van Thielen, J.: Influence of the reaction medium on radical polymerization. II, 547
Desreux, V.: see Huggins, M. L.
Devoy, C., and Mandelkern, L.: Thermodynamic properties of polyethylene crystallized from diluent mixtures, 141
Dietz, S.: see Culbertson, B. M.
Drott, E. E.: see Mendelson, R. A.
Dudley, B. J.: see Gervasi, J. A.
Dumbleton, J. H.: see Teulings, R. P.
Dunnavant, W. R.: Imide–imidazopyrrolone copolymers from aromatic dianhydrides and aromatic triamines, 49
Durand, J. P., Dawans, F., and Teyssié, P.: Polymerization by transition metal derivatives. X. Preparation of a highly active monometallic nickel catalyst for the cis-1,4 polymerization of butadiene, 757
– and Teyssié, P.: Equimolecular binary polydienes. III. Nickel catalyst for the preparation of equibinary poly(cis 1,4-trans 1,4)butadiene, 299

Eckert, R. E., Maykrantz, T. R., and Salloum, R. J.: The formation of free radicals in polystyrene by ball milling, 213
Edlund, O., Kinell, P.-O., Lund, A., and Shimizu, A.: Electron spin resonance studies on radiation-induced polymerization of ethylene and isobutene on silica gel, 133
Eisenberg, A.: see Rembaum, A.
Fatou, J. G.: see Mandelkern, L.
Fisher, C. D.: see Watt, W. R.
Fleming, S. W.: see Yau, W. W.
Fleš, D., and Tomašić, V.: Preparation of poly(S)(−)-[α-(p-toluenesulfonamido)-β-propiothiolactone, 809
Fock, J.: On the influence of carbon black on the thermal degradation of polytetrafluoroethylene, 127
Frayer, P.: see Lando, J. B.
Fujita, H.: see Norisuye, T.
Fujita, Y.: see Tabata, Y.
Fukatsu, M.: see Inoue, T.
Furukawa, J.: see Matsumoto, T.
Gaines, G. L., Jr., and LeGrand, D. G.: Foam fractionation of polymers, 625
Garbuglio, C.: see Ajroldi, G.
Gardlund, Z. G.: Effect of a polymer matrix on photochromism of some benzospirans, 57
Gaylord, N. G., and Takahashi, A.: Free-radical polymerization of complexed monomers. I. Mechanism of metal halide activation, 743. II. Alternating copolymers from activated monomers, 749
Gervasi, J. A., Dudley, B. J., and Stannett, V. B.: The effect of additives on the radiation-induced polymerization of butadiene in emulsion, 281
—: see Stannett, V.
Giammarse, A. T., Alliet, D. F., and Pacco, J. M.: Precautions in the use of tetrahydrofuran for UV analysis of GPC effluents, 499
Gipstein, E.: see Hewett, W. A.
Goins, O. K., and Van Deusen, R. L.: Synthesis of a novel polyimide and related compounds, 821
Goldbach, G., and Peitscher, G.: Infrared investigations of the polymorphic modifications of polybutene-1, 783
Goldsworthy, G. T.: see Baird, M. E.
Gosnell, A. B.: see Stannett, V.
Gotter, L. D.: see Stille, J. K.
Gratch, S.: see Beck, R. H.
Gray, R. W., and McCrum, N. G.: On the γ relaxations in linear polyethylene and polytetrafluoroethylene, 691
Gugliemelli, L. A., Weaver, M. O., and Russell, C. R.: New method for isolation of grafts of starch vinyl graft copolymers, 599
Gupta, S. N., and Nandi, U. S.: Preparation of graft copolymer via sulfonamide formation, 457
Guyot, A.: Calcul théorique de la distribution des masses moléculaires d'une polymérisation avec amorçage instantané, transfert sur le monomère et pas d'arrêt, 123
– and Vialle, J.: Kinetics of polymerization of isoprene with butyllithium, 403
Hasegawa, M., Suzuki, F., Nakanishi, H., and Suzuki, Y.: Four-center type photopolymerization in the solid state: Polymerization of p-phenylene diacrylic acid, esters, and amide, 293

Hatada, K.: see Yuki, H.
Hawthorne, D. G.: see Walker, G. F.
Hay, A. S., and Chalk, A. J.: Metalation of polyphenylene ethers, 105
Hayakawa, K., Kawase, K., and Yamakita, H.: Vapor-phase radiation graft copolymerization using solid monomers, 33
Hayashi, K.: see Ishigaki, I.; Ueno, K.
Hecht, J. K.: Polymerization of trans-cyclooctene, 333. Copolymerizations of tetrachlorocyclopropene, 395
Heller, J., Hodgkin, J. H., and Martinelli, F. J.: The synthesis of spiropolyimides, 153
– and Moacanin, J.: Characterization of some vinylaromatic polymers by gel permeation chromatography, 595
Hellman, M. Y.: see Salovey, R.
Hewett, W. A., and Gipstein, E.: The synthesis and polymerization of 4-vinyldibenzofuran and 4-vinyldibenzothiophene, 565
Higashimura, T., Masuda, T., and O'Driscoll, K. F.: A simple index of copolymerizability, 841
Hilyard, N. C.: Fracture toughness of regenerated cellulose film, 353
Hirata, H.: see Tanikawa, K.
Hodgkin, J. H.: see Heller, J.
Holleran, P. M., and Billmeyer, F. W., Jr.: Rapid osmometry with diffusible polymers, 137
Hsiao, H. Y.: see Alter, H.
Huggins, M. L., Corradini, P., Desreux, V., Kratky, O., and Mark, H.: Report of the Committee on Nomenclature of the International Commission on Macromolecules, June 16, 1967, 257
Huskins, C. W.: see Van Landuyt, D. C.
Ikuma, S.: see Yamashita, Y.
Imai, C.: see Matsuzaki, K.
Ingham, J. D.: see Lawson, D. D.
Ingram, P.: see Campbell, D.
Inoue, S., Tsubaki, K., and Tsuruta, T.: Synthesis of optically active polymers by asymmetric catalysts. IX. Asymmetric-selective polymerization of β-chloro-α-hydroxy-α-methylpropionic acid anhydrosulfite, 733
Inoue, T., Soen, T., Kawai, H., Fukatsu, M., and Kurata, M.: Electron microscopic texture of A-B type block copolymers of isoprene with styrene, 75
Ishigaki, I., Ito, A., and Hayashi, K.: The polymerization of trioxane by the active species formed in the irradiated monomers, 727
–, Iwai, T., and Hayashi, K.: Active species in the radiation-induced postpolymerization of trioxane, 859
Ito, A.: see Ishigaki, I.
Ito, K., and Yamashita, Y.: Complete characterization of microstructure of styrene–methyl methacrylate and vinylidene chloride–vinyl acetate copolymers to high conversions by NMR, 227
–: see Yamashita, Y.
Itoh, M.: see Yokota, K.
Iwai, T.: see Ishigaki, I.
Iwakura, Y., Noguchi, K., and Utsunomiya, T.: Synthesis of poly(N-carbamoylamide) and polyamide through polyaddition reaction of biscarbodiimide with dicarboxylic acid, 517
–, Takeda, K., Nakazawa, T., and Watarai, O.: Trapping of benzophenone ketyl radical in cellulose triacetate film, 115
–, Toda, F., Kusakawa, N., and

Suzuki, H.: Polymerization of 2-vinyl and 2-isopropenyl-4,5-dimethyloxazole, 5
–, –, Katsuki, H., and Watanabe, H.: Electron transfer in the reaction of living α-methylstyrene tetramer with dimethyl terephthalate, 201. Synthesis of polyamide by polyaddition reaction of living α-methylstyrene tetramer with diisocyanate, 329
Iwamoto, M.: see Kiji, J.
Janáček, J.: see Lednický, F.
Jenkins, A. D., Lappert, M. F., and Srivastava, R. C.: The initiation of polymerization by inorganic amides, 865
Johnson, F. A.: see Needles, H. L.
Jones, M. E. B.: see Brown, D.
Jones, P. F.: On the use of phosphorescence quenching for determining permeabilities of polymeric films to gases, 487
Kada, H.: see Yamashita, Y.
Kanari, K.: see Ozawa, T.
Kashmiri, M. I., and Sheldon, R. P.: Crystallization of poly(ethylene terephthalate) with ethanol/carbon tetrachloride mixture, 45
Katsuki, H.: see Iwakura, Y.
Kawahara, K.: see Norisuye, T.
Kawai, H.: see Inoue, T.
Kawamura, T.: see Yonezawa, T.
Kawase, K.: see Hayakawa, K.
Keith, H. D., Padden, F. J., Jr., and Vadimsky, R. G.: Comment on "Thermodynamic properties of polyethylene crystallized from diluent mixtures" by Devoy and Mandelkern, 151
Keller, A.: see Blundell, D. J.
Ketley, A. D., and Braatz, J. A.: The 1,3-polymerization of propylene by palladium cyanide, 341
Kiji, J., and Iwamoto, M.: Aromatization of cyclized 1,2-polybutadiene, 53; errata, 609
Kikuchi, Y.: see Yuki, H.
Kinell, P.-O.: see Edlund, O.
King, J. P.: see Saraceno, A. J.
Kitagawa, T., and Miyazawa, T.: Cross-section for multi-phonon scattering of neutrons by crystalline polyethylene, 83
Kitami, T.: see Miura, M.
Klesper, E.: NMR investigation of cosyndiotactic methyl methacrylate-methacrylic acid copolymers, 313. NMR investigation of triad statistics in cosyndiotactic methyl methacrylate–methacrylic acid copolymers, 663
Knight, G. J.: see Cotter, J. L.
Kohler, N., Osgan, M., and Teyssié, Ph.: Bimetallic μ-oxoalkoxides as polymerization catalysts. II. Nature of active sites, 559
Koningsveld, R.: see Rehage, G.
Koroscil, A.: see Menga, I. S.
Koutou, N.: see Yamada, M.
Kratky, O.: see Huggins, M. L.
Kunitake, T.: see Aso, C.
Kurata, M.: see Inoue, T.
Kurihara, M., and Yoda, N.: Synthesis of ladder polymers. I. Polyisoindoloquinazolinediones, 875
Kusabayashi, S.: see Tanikawa, K.
Kusakawa, N.: see Iwakura, Y.
Kwei, T. K.: see Matsuoka, S.
Laita, Z., and Szwarc, M.: Polymerization of styrene–methyl methacrylate mixtures initiated by butyllithium, 197
Lando, J. B., and Frayer, P.: The copolymerization of trioxane and trithiane in the solid state, 285
Lappert, M. F.: see Jenkins, A. D.
Lawson, D. D., and Ingham, J. D.:

^{19}F NMR of nitroso rubber copolymer, 181
—: see Toy, M. S.
Lednický, F., and Janáček, J.: A remark on the low temperature dispersions of polar polymers sensitive to the presence of low molecular weight substances, 683
Lee, W.-M.: Nonstationary-state calculation of thermal polymerization of styrene, 603
LeGrand, D. G.: see Gaines, G. L., Jr.
Lignowski, S. J.: see Liu, K.-J.
Lini, D. C.: see Ramey, K. C.
Liu, K.-J., and Lignowski, S. J.: Comments on the stereopolymerization of α-methylvinyl methyl ether, 191
Luisi, P. L.: Optically active isotactic vinyl polymers in solution. A simple model for interpreting the dependence of optical activity on molecular weight and/or stereoregularity, 177
Lund, A.: see Edlund, O.
McCrum, N. G.: see Gray, R. W.
Magill, J. H.: Crystallization kinetics of polytetramethyl-P-silphenylene siloxane fractions, 853
Makino, S., Murai, N., and Sugai, S.: Optical rotatory dispersion of acridine orange: Poly-S-carboxymethyl-L-cysteine complex, 477
Malone, C. P.: see Yau, W. W.
Maltman, W. R.: see Brown, D.
Mammi, M.: see Mortillaro, L.
Mandelkern, L., Fatou, J. G., and Ohno, K.: The molecular weight dependence of the crystallization rate for linear polyethylene fractions, 615
—: see Devoy, C.
Mark, H.: see Huggins, M. L.
Martinelli, F. J.: see Heller, J.
Masuda, T.: see Higashimura, T.
Matsumoto, T., Furukawa, J., and Morimura, H.: Polymerization of butadiene and isobutyl vinyl ether by π-crotyl nickel halide together with oxygen or organic peroxide as catalyst, 869
Matsuoka, S., Daane, J. H., Bair, H. E., and Kwei, T. K.: A further study of the properties of transcrystalline regions in polyethylene, 87
Matsuzaki, K., Uryu, T., and Imai, C.: Reply to K.-J. Liu and S. J. Lignowski comments, 195
Maykrantz, T. R.: see Eckert, R. E.
Mears, D. R.: see Pae, K. D.
Mendelson, R. A., and Drott, E. E.: On the determination of long-chain branching in low density polyethylene, 795
Menga, I. S., and Koroscil, A.: The depolymerization of poly-ε-caprolactone with titanium catalysts, 653
Meyerhoff, G., Moritz, U., and Darskus, R. L.: A light-scattering photometer for the angular range 6–170°, 207
Meyers, R. A., and Wilson, E. R.: A novel copolymerization reaction, 531. Copolymerization of sulfur dichloride with cyclopentadiene, 581. Copolymerization of sulfur monochloride with cyclopentadiene, 587
Mikawa, H.: see Tanikawa, K.
Miller, R. L.: see Teulings, R. P.
Miura, M., Kitami, T., and Nagakubo, K.: Polymerization of polymethylene dicinnamates with light, 463
Miyazaki, T.: see Nagai, T.
Miyazawa, T.: see Kitagawa, T.

Moacanin, J.: see Heller, J.
Morimura, H.: see Matsumoto, T.
Moritz, U.: see Meyerhoff, G.
Mortillaro, L., Russo, M., Carazzolo, G., Mammi, M., and Valle, G.: On the preparation and properties of polyselenomethylene, 431
Munari, S., Russo, S., and Vigo, F.: Importance of the grafting reactions in γ-ray polymerization of ethylene and ethylene-carbon monoxide mixtures, 23
Murai, N.: see Makino, S.
Murphy, R.: see Culbertson, B. M.
Nagai, T., Miyazaki, T., and Tokura, N.: Polymerization of N-vinylcarbazole in liquid sulfur dioxide initiated by oxygen, 345
Nagakubo, K.: see Miura, M.
Nagatoshi, F.: see Arakawa, T.
Nakabayashi, N.: see Wegner, G.
Nakanishi, H.: see Hasegawa, M.
Nakatsuka, K., Adachi, K., Suga, H., and Seki, S.: The so-called polymerization of vinyl acetate in the glassy state, 779
Nakayama, K.: see Ogata, N.
Nakazawa, T.: see Iwakura, Y.
Nandi, U. S.: see Gupta, S. N.
Needles, H. L., and Johnson, F. A.: Amide anion-initiated polymerization of methyl acrylate in aprotic solvents, 377
Neugebauer, F. A., and Trischmann, H.: Polyverdazyls, 255
Newman, S.: see Beck, R. H.
Niinomi, T.: see Yuki, H.
Noguchi, K.: see Iwakura, Y.
Norisuye, T., Kawahara, K., and Fujita, H.: Excluded volume effects in dilute polymer solutions. III. Relation between statistical and hydrodynamic expansion factors in the vicinity of the theta point, 849
O'Driscoll, K. F.: see Higashimura, T.
Offenhauer, R. D., and Rodewald, P. G.: Synthesis and approaches to polymerization of B-hydroxy derivatives of boroxaro-compounds containing two borons, 573
Ogata, N., and Nakayama, K.: Alternating copolymers from dibenzoyl ethylene derivatives and styrene, 369
Oguni, N.: see Tani, H.
Ogura, K., and Sobue, H.: Studies on the derivatives of sodium cellulose xanthate. Part I. Infrared absorption spectra and characteristic frequencies of C=S and C–S groups in sodium cellulose xanthate and its stable derivatives, 63
Ohno, K.: see Mandelkern, L.
Okamura, S.: see Tazuke, S.; Ueno, K.
Osawa, Z., and Shibamiya, T.: Studies on the catalytic action of metallic salts in autoxidation and polymerization. I. Polymerization of methyl methacrylate with cobalt(II,III)acetylacetonate hydroperoxide, 721
Osgan, M.: see Kohler, N.
Oshima, K.: see Tabata, Y.
Ozawa, T., and Kanari, K.: The thermal conductivity of polytetrafluoroethylene (errata), 461
Pacco, J. M.: see Giammarse, A. T.
Padden, F. J., Jr.: see Keith, H. D.
Pae, K. D., and Mears, D. R.: The effects of high pressure on mechanical behavior and properties of polytetrafluoroethylene and polyethylene, 269
–, –, and Sauer, J. A.: Stress–strain behavior of polypropylene

under high pressure, 773
Palit, S. R.: see Sen, B.
Pearson, R. G.: see Brindley, P. B.
Peitscher, G.: see Goldbach, G.
Peterlin, A.: see Campbell, D.
Pezzin, G.: see Ajroldi, G.
Pittman, C. U., Jr.: The solution copolymerization of vinyl ferrocene with butadiene catalyzed by metal acetyl acetonates, 19
Quadrat, O., and Bohdanecký, M.: An anomalous viscosity–concentration dependence of dilute polystyrene solutions in theta solvents at high shear stresses, 769
Ramey, K. C., Lini, D. C., and Wise, W. B.: Nuclear magnetic resonance study of poly(vinyl bromide), 523
Rehage, G., and Koningsveld, R.: Liquid-liquid phase separation in multicomponent polymer solutions. VI. Some errors introduced by the binary approximation, 421
Rembaum, A., Baumgartner, W., and Eisenberg, A.: Aliphatic ionenes, 159
Rice, D. E.: The preparation of perfluoroalkylene oxide polymers by iodide coupling reactions, 335
Richards, D. H.: The effect of molecular oxygen on polystyrene terminated with ethylene oxide and ethylene sulfide, 417
Roberts, E. J.: see Wade, C. P.
Rodewald, P. G.: see Offenhauer, R. D.
Rose, S. H.: Synthesis of phosphonitrilic fluoroelastomers, 837
Rosenbaum, S.: Effect of pressure on solvent permeation through semipermeable membranes, 307
Rowland, S. P.: see Wade, C. P.
Rubin, I. D.: see Bergmann, E. A.
Rusch, K. C.: see Beck, R. H.
Russell, C. R.: see Gugliemelli, L. A.
Russo, M.: see Mortillaro, L.
Russo, S.: see Munari, S.
Salloum, R. J.: see Eckert, R. E.
Salovey, R., and Hellman, M. Y.: Radiation crosslinking of hydrogenated polyethylene, 527
Santappa, M.: see Viswanathan, S.
Saraceno, A. J., King, J. P., and Block, B. P.: Novel tris(phosphinates) of chromium(III), 15
Sauer, J. A.: see Pae, K. D.
Segre, A.: see Zambelli, A.
Seki, S.: see Nakatsuka, K.
Sen, B., and Palit, S. R.: Photopolymerization by binary systems containing carbon tetrachloride, 659
Sheldon, R. P.: see Kashmiri, M. I.
Shibamiya, T.: see Osawa, Z.
Shimada, F.: see Aso, C.
Shimizu, A.: see Edlund, O.
Smets, G.: see De Schryver, F. C.
Sobue, H.: see Ogura, K.
Soen, T.: see Inoue, T.
Solomon, O. F., Cobianu, N., Vasilescu, D. S., and Boghină, C.: The polymerization of N-vinylcarbazole with metal salts in basic solvents, 551
–, Corciovei, M., and Beral, E.: Ionic polymerization of acrylic and methacrylic esters of 2-allylphenol, 507
Srivastava, R. C.: see Jenkins, A. D.
Stannett, V., Williams, J. L., Gosnell, A. B., and Gervasi, J. A.: Membranes with anisotropic flow properties, 185
–: see Campbell, D.; Gervasi, J. A.
Stille, J. K., and Gotter, L. D.: Polymers from 1,3-dipole addition reactions: A bisnitrilimine dipole

from a bistetrazole precursor, 11
Suga, H.: see Nakatsuka, K.
Sugai, S.: see Makino, S.
Sumi, K.: see Tsuchiya, Y.
Suzuki, F.: see Hasegawa, M.
Suzuki, H.: see Iwakura, Y.
Suzuki, Y.: see Hasegawa, M.
Szwarc, M.: see Laita, Z.
Tabata, Y., Fujita, Y., and Oshima, K.: Radiation-induced polymerization of propylene oxide, 715
Takahashi, A.: see Gaylord, N. G.
Takase, I.: see Yamada, M.
Takashima, M.: see Tanaka, S.
Takeda, K.: see Iwakura, Y.
Tanaka, S., Yokoyama, K., and Takashima, M.: Isolation of cyclic dimer from polyhydroxyether, 385
Tani, H., Araki, T., and Yasuda, H.: Aldehyde complexes of organoaluminum compound: Preparation and their significance for polymerization of some aldehydes, 389
–, Oguni, N., and Watanabe, S.: Nuclear magnetic resonance studies on poly(propylene oxide-2-D), 577
Tanikawa, K., Kusabayashi, S., Hirata, H., and Mikawa, H.: Polymerization of 3-vinylpyrene with Ziegler-Natta catalyst, 275
Taylor, G. L., and Davison, S.: Glass temperature of hydrogenated polystyrene, 699
Tazuke, S., and Okamura, S.: Duality of mechanism in photo and thermal polymerization of the N-vinylcarbazole–acrylonitrile system, 173
Teulings, R. P., Dumbleton, J. H., and Miller, R. L.: Structure and fiber formation in poly(vinylidene fluoride), 441
Teyssié, P.: see Durand, J.P.; Kohler, N.
Theil, M. H.: A comparison between the two- and three-dimensional modes of nucleation for a low molecular weight polymer, 233
Tobolsky, A. V., and Chapoy, L. L.: Viscosity as a function of shear rate, 493
Toda, F.: see Iwakura, Y.
Tokura, N.: see Nagai, T.
Tomašić, V.: see Fleš, D.
Toy, M. S., and Lawson, D. D.: Polyperfluorobutadiene. I. Polymerization of perfluorobutadiene by nitroxide and peroxide, 639
Trischmann, H.: see Neugebauer, F. A.
Tsubaki, K.: see Inoue, S.
Tsuchiya, Y., and Sumi, K.: Thermal decomposition products of polymethylene, 357
Tsuruta, T.: see Inoue, S.
Tsuruya, S.: see Yonezawa, T.
Turner, D. T.: see Campbell, D.
Turner-Jones, A., and Cobbold, A. J.: The β crystalline form of isotactic polypropylene, 539
Ueno, K., Hayashi, K., and Okamura, S.: Studies on radiation-induced polymerization. Part VII. Effect of electron scavengers on polymerization of styrene, 39
Uryu, T.: see Matsuzaki, K.
Utsunomiya, T.: see Iwakura, Y.
Vadimsky, R. G.: see Keith, H. D.
Valle, G.: see Mortillaro, L.
Van Deusen, R. L.: see Arnold, F. E.; Goins, O. K.
Van Landuyt, D. C., and Huskins, C. W.: Gel permeation chromatography of carboxylic acid-terminated polybutadienes, 643
Van Thielen, J.: see De Schryver, F. C.
Vasilescu, D. S.: see Solomon, O. F.

Vialle, J.: see Guyot, A.
Vigo, F.: see Munari, S.
Viswanathan, S., and Santappa, M.: Termination of vinyl polymerization involving Cr^{6+}, 629
Wade, C. P., Roberts, E. J., and Rowland, S. P.: Selective accessibilities of the hydroxyl groups at C-2, C-3, and C-6 in the D-glucopyranosyl units of cotton cellulose, 673
Walker, G. F., and Hawthorne, D. G.: Complexes of nickel cyanide with organic monomers, 593
Ward, I. M.: see Williams, T.
Watanabe, H.: see Iwakura, Y.
Watanabe, S.: see Tani, H.
Watarai, O.: see Iwakura, Y.
Watt, W. R., and Fisher, C. D.: The use of mesitaldehyde to promote stereospecific polymerization of propylene, 109
Watterson, A. C.: see Blumstein, A.
Weaver, M.O.: see Gugliemelli, L. A.
Wegner, G., Nakabayashi, N., and Cassidy, H. G.: Electron-transfer polymers. XXXII. Redox polyesters from p-benzoquinone-2,5-diols and bisacylchlorides, 97
Williams, J. L.: see Campbell, D.; Stannett, V.
Williams, T., and Ward, I. M.: The construction of a polyethylene calibration curve for gel permeation chromatography using polystyrene fractions, 621
Wilson, E. R.: see Meyers, R. A.
Wise, W. B.: see Ramey, K. C.
Wright, W. W.: see Cotter, J. L.
Yamada, M., Takase, I., and Koutou, N.: Photopolymerization of maleimide and its N-substituted derivatives, 883
Yamakita, H.: see Hayakawa, K.
Yamashita, Y., Ito, K., Ikuma, S., and Kada, H.: Diad and tetrad sequence distributions of vinylidene chloride–vinyl acetate copolymers to high conversions by NMR, 219
–: see Ito, K.
Yasuda, H.: see Tani, H.
Yau, W. W., Malone, C. P., and Fleming, S. W.: The equilibrium distribution coefficient in gel permeation chromatography, 803
Yoda, N.: see Kurihara, M.
Yokota, K., and Itoh, M.: An improved kinetics for radical polymerization on the basis that the viscosity of the solvent plays an important role, 825
Yokoyama, K.: see Tanaka, S.
Yonezawa, T., Tsuruya, S., and Kawamura, T.: Polymerization of 2,6-dimethylphenol by the homogeneous copper-hexamethylphosphoramide-catalyzed oxidative coupling reaction, 447
Yuki, H., Hatada, K., Kikuchi, Y., and Niinomi, T.: Stereospecific polymerization of trityl methacrylate, 753
Zambelli, A., and Segre, A.: Detection of the tetrads in amorphous polypropylenes by NMR, 473
Zugrăvescu, I.: see Caraculacu, G.

SUBJECT INDEX, VOLUME 6

A-B type block copolymers, 75
Acridine orange, 477
Acrylic esters, 507
Active species, 727, 859
Additives, 281
Aldehyde complexes, 389
Aldehydes, 389
Aliphatic ionenes, 159
2-Allylphenol, 507
Alternating copolymers, 369, 749
Amines, 415
Amorphous polypropylenes, 473
Anisotropic flow properties, 185
Anomalous viscosity–concentration dependence, 769
Aprotic solvents, 377
Aromatic dianhydrides, 49
Aromatic dihalo compounds, activated, 415
Aromatic triamines, 49
Association phenomena, 535
Asymmetric catalysts, 733
Asymmetric-selective polymerization, 733
Autoxidation, 721
Ball milling, 213
Benzimidazole-1,2-benzoylene-benzimidazole nuclei, 241
Benzophenone ketyl radical, 115
p-Benzoquinone-2,5-diols, 97
Benzospirans, 57
Bimetallic μ-oxo-alkoxides, 559
Binary approximation, 421
Bisacylchlorides, 97
Biscarbodiimide, 517
Bisnitrilimine dipole, 11
Bistetrazole precursor, 11
Borons, 573
Boroxaro-compounds, 573
Butadiene, 19, 281, 757, 869
Butyllithium, 197, 403
Butyllithium-N,N,N′,N′-tetramethylethylenediamine, 649
Carbanions, 635
Carbon black, 127
Carbon tetrachloride, 659
Catalytic action, 721
Cellulose film, regenerated, 353
Characteristic frequencies, 63
Chatterjee method, 349
β-Chloro-α-hydroxy-α-methylpropionic acid anhydrosulfite, 733
Chromium(III), tris(phosphinates) of, 15
Cobalt(II,III) acetylacetonate hydroperoxide, 721
Conversion methods, 119
Cosyndiotactic methyl methacrylate–methacrylic acid copolymers, 313, 663
Cotton cellulose, 673
Creep measurements, 119
π-Crotyl nickel halide, 869
β-Crystalline form, 539
Crystalline polyethylene, 83
Crystallization rate, 615
Cyclic dimer, 385
Cyclized 1,2-polybutadiene, 53
trans-Cyclooctene, 333
Cyclopentadiene, 581, 587
Diad sequence distribution, 219
Dibenzoyl ethylene derivatives, 369
Dicarboxylic acid, 517
Dielectric relaxation process, 687
Diffusible polymers, 137
Diisocyanate, 329
2,6-Dimethylphenol, 447
Dimethyl terephthalate, 201

1,3-Dipole addition reactions, 11, 451
Dynamic-mechanical measurements, 119
Electron microscopic textures, 75
Electron scavengers, 39
Electron spin resonance studies, 133
Electron transfer, 201
Electron transfer polymers, 97
Equibinary poly(cis-1,4-trans-1,4) butadiene, 299
Equilibrium distribution coefficient, 803
Ethanol/carbon tetrachloride mixtures, 45
Ethylene, 23, 133
Ethylene–carbon monoxide mixtures, 23
Ethylene oxide, 417
Ethylene sulfide, 417
Foam fractionation, 625
Four-center type photopolymerization, 293
Fracture toughness, 353
Free-radical polymerization, 743, 749, 831
Free radicals, 213, 481
Gel permeation chromatography, 595, 621, 643, 803
Glass temperature, 699
Glass transition, 363, 687
D-Glucopyranosyl units, 673
Grafting reactions, 23
Heterocyclization, 451
Homogeneous copper–hexamethylphosphoramide-catalyzed oxidative coupling reaction, 447
Hydrodynamic expansion, 849
β-Hydroxy derivatives, 573
Hydroxyl groups, 673
Imidazole-containing polymer, 467
Imide–imidazopyrrolone copolymers, 49
Infrared absorption spectra, 63, 363
Iodide coupling reactions, 335
Ionic polymerization, 507
Isobutene, 133
Isobutyl vinyl ether, 869
Isoprene, 75, 403
Isotactic polypropylene, 539
Isotactic vinyl polymers, optically active, 177
Kinetic parameters, 349
Ladder polymers, 875
Light scattering, 789
Linear growth rate, 433
Liquid–liquid phase separation, 421
Long-chain branching, 795
Low temperature dispersion, 683
Maleimide, N-substituted derivatives, 883
Mesitaldehyde, 109
Metal acetylacetonates, 19
Metalation, 105
Metal halide activation, 743
Metal salts, 551, 721
Methacrylic esters, 507
Methyl acrylate, 377
Methyl methacrylate, 69, 721, 831
α-Methylstyrene tetramer, 201, 329
α-Methylvinyl methyl ether, stereopolymerization of, 191
Michaelis-Menten kinetics, 467
Molecular motion, 711
Molecular oxygen, 417
Molecular weight dependence, 177, 615
Montmorillonite, 69
Multicomponent polymer solutions, 421
Multi-phonon scattering, 83
Neutrons, 83
Nickel catalyst, 299, 757
Nickel cyanide, 593
Nitroso rubber copolymer, 181
Nitroxide, 639
Nonstationary-state calculations, 603
Nucleophilic displacement reaction, 635

Nylon, uniaxially stressed, 481
Nylon 6, drawn, 513
Optical activity, 177
Optically active polymers, 733
Optical rotatory dispersion, 477
Organoaluminum compound, 389
Oxygen, 345, 869
Palladium cyanide, 341
Perfluoroalkylene oxide polymers, 335
Perfluorobutadiene, 639
Peroxide, 639
p-Phenylene diacrylic acid, 293
Phenyl ester, 467
Phosphonitrilic fluoroelastomers, 837
Phosphorescence quenching, 487
Photochromism, 57
Photo-induced post-irradiation free-radical conversion, 1
Photopolymerization, 173, 659, 883
Polar polymers, 683
Polimide, synthesis of a novel, 821
Polyaddition reaction, 329, 517
Polyamides, 329, 517, 737
Polyamines, 415
Polyblends, 707
Polybutene-1, 783
Poly-ϵ-caprolactone, 653
Poly(N-carbamoylamide), 517
Polycondensates, 635
Poly(1,1-dichloro-2,2-difluoro-ethylene), 763
Polyethylene, 87, 141, 269
  calibration curve for, 621
  crystals of, 433
  hydrogenated, 527
  linear, 691
  linear fractions of, 615
  low density, 795
Poly(ethylene terephthalate), 1, 45
Polyhydroxyether, 385
Polyisoindoloquinazolinediones, 875
Polymethylene, 357
Polymethylene dicinnamates, 463
Poly(methyl methacrylate), 69
Polymorphic modifications, 783
Polyperfluorobutadiene, 639
Poly(perimidine-tetrayls), 815
Polyphenylene ethers, 105
Poly(phenylene-1,3,4-oxadiazolyl-benzimidazoles), 247
Polypropylene, 773
Poly(propylene oxide-2-D), 577
Polyselenomethylene, 431
Polystyrene, 213, 417, 649
  atactic, 687
  fractions, 621
  hydrogenated, 699
  solutions, dilute, 769
Polytetrafluoroethylene, 127, 269, 691
Polytetramethyl-P-silphenylene siloxane (TMPS) fractions, 853
Polyverdazyls, 255
Poly(vinyl bromide), 523
Poly(vinylidene fluoride), 441
Preirradiation grafting, 409
Pressure, 307
Propylene, 109, 341
Propylene oxide, 715
Proton spin-lattice relaxation time measurements, 303
Radiation crosslinking, 527
Radiation-induced polymerization, 39, 133, 281, 715
Radiation-induced postpolymerization, 859
Radical polymerization, 69, 547, 825
Rapid osmoetry, 137
Reaction medium, 547
Redox polyesters, 97
Rotating frame proton spin-lattice relaxation measurements, 711
Semipermeable membranes, 307
Shear rate, 493
Silica gel, 133
Sodium cellulose xanthate, 63
Solution copolymerization, 19

Solvent permeation, 307
Spiropolyimides, 153
Starch, 303, 711
  vinyl graft copolymers of, 599
Stereopolymerization, 191
Stereoregularity, dependence of optical activity on, 177
Stereospecific polymerization, 109, 753
Stress–strain behavior, 773
Styrene, 39, 75, 369, 603
Styrene–methyl methacrylate mixtures, 197, 227
Sulfonamide formation, graft copolymers by, 457
Sulfur dichloride, 581
Sulfur dioxide, 345
Sulfur monochloride, 587
Swelling agents, 409
Tetrachlorocyclopropene, 395
Tetrads, 473
Tetrad sequence distribution, 219
Tetrahydrofuran, 499
Thermal decomposition products, 357
Thermal degradation, 127
Thermal polymerization, 173, 603
Thermodynamic properties, 141, 151
Thermogravimetric traces, 349
Theta point, 849
Theta solvents, 769
Three-dimensional modes of nucleation, 233
Titanium catalysts, 653
Transcrystalline regions, 87
Triad statistics, 663
Trialkylboranes, 831
Trioxane, 285, 727, 859
Tris(phosphinates), 15
Trithiane, 285
Trityl methacrylate, 753
Two-dimensional modes of nucleation, 233
UV analysis, 499
Vapor-phase radiation graft copolymerization, 33
Vinyl acetate, 779
Vinylaromatic polymers, 595
N-Vinylcarbazole, 345, 551
N-Vinylcarbazole–acrylonitrile system, 173
Vinyl chloride polymers, crystalline, 535
4-Vinyldibenzofuran, 565
4-Vinyldibenzothiophene, 565
Vinylferrocene, 19
Vinylidene chloride–vinyl acetate copolymers, 219, 227
2-Vinyl and 2-isopropenyl-4,5 - dimethyloxazole, 5
3-Vinylpyrene, 275
Viscosity, 493, 825
Yield behavior, 707
Ziegler-Natta catalyst, 275